

Dr. K. Jagannathan, M.Sc.,Ph.D.,
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Google Scholar Profile:
<https://scholar.google.com/citations?hl=en&user=T-J8ZkAAAAAJ>

Areas of Research

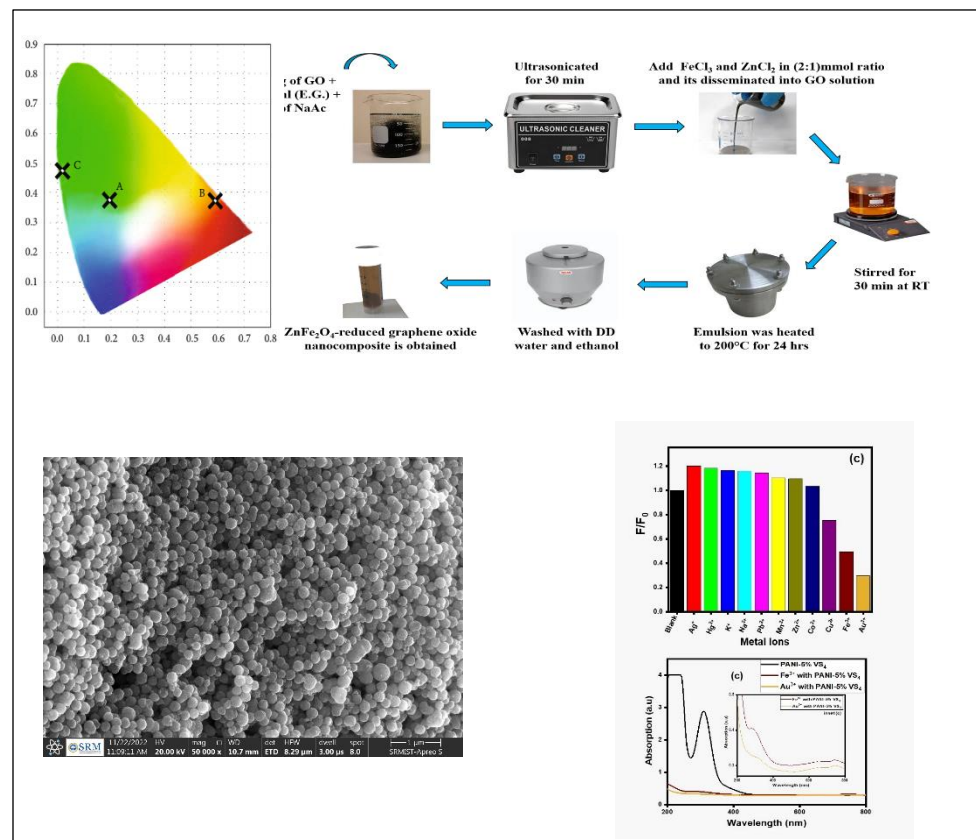
- Crystal Growth, Material Characterization, Ceramics - Metal Oxides, Metal sulphides, Nanoparticles, Polymer nanocomposites, Solid state- Dielectric analysis, Supercapacitor, Solar cells and Sensors.
- Computational methods - DFT, GSAS, Proszki

Publications and Funded Project details:

- No. of publications International journals (Scopus and WoS): 38
- Completed one project under SRM – SERI Scheme.
- Conducted National Conference on May 8 & 9, 2015, as a Organizing Secretary. Funding supported by DST (Sanctioned order no. **SB/SS/1930/14-15** dated **15-05-2015**)
Total Cost Fund Rs. 75,000/-

PhD Guidance

- ✓ Completed: 02
- ✓ Ongoing : 04





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Areas of Research

- Metal oxides, Ceramics, Nanoparticles, Polymer nanocomposites, Solid state- Dielectric analysis, Supercapacitor, Battery, Perovskite solar cells, LED, and Sensors.
- Computational methods - DFT and SCAPS

Publications and Funded Project details:

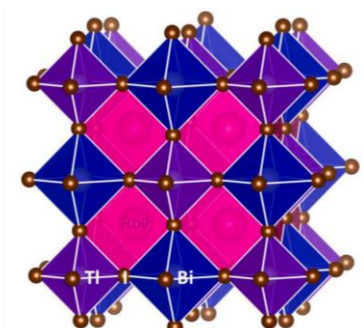
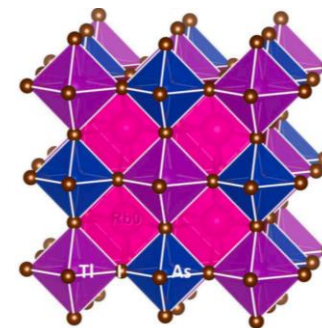
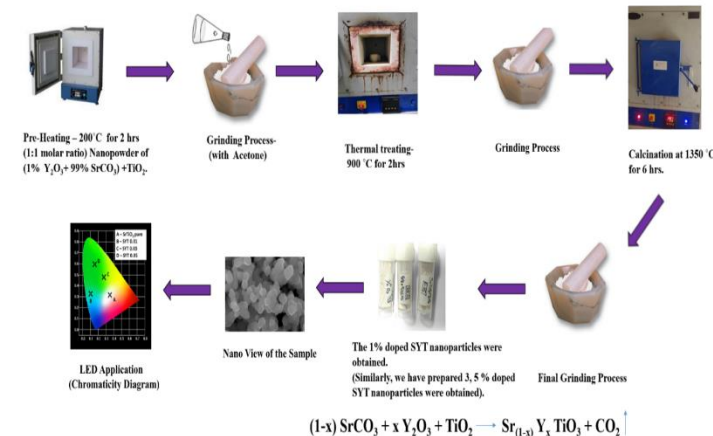
- No. of publications National / International: 75
- ISRO RESPOND PROJECT as Co-Principal Investigator.

The total cost of the fund: **18.15 lacs. (ISRO/RES/3/707/2016-17 Dated on 18-05-2016)**

- Conducted National Conference on May 8 & 9, 2015, as a convenor. Funding supported by DST (Sanctioned order no. **SB/SS/1930/14-15** dated **15-05-2015**)
Total Cost Fund Rs. 75,000/-

Guiding PhD Student: 8 Nos.

- ✓ Completed: 04
- ✓ Ongoing : 04





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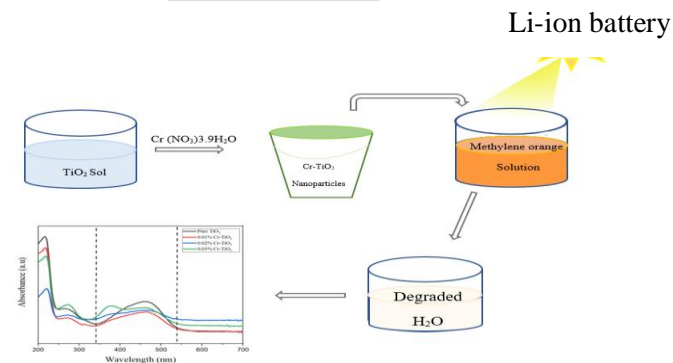
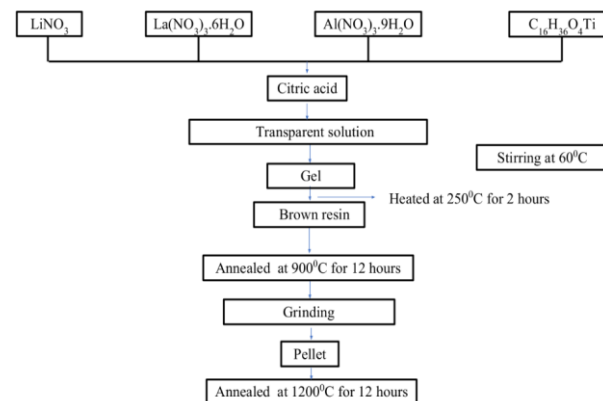
Areas of Research

➤ Solid state Ionics, Li ion battery, Nano composites.

Publications and Funded Project details:

- No. of publications National / International: 08
- Funded project -01- Development of All Solid-State Lithium Batteries based on Garnet Structured Electrolyte - Completed under Selective Excellence Initiative program - SRM IST

Guiding PhD Scholars: 4 Nos.



Nano composite